STIC Biotechnology Systems Branch

RAW SEQUENCE LISTING
ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: _____ 10/732, 859 A

Source: _____ IFW16

Date Processed by STIC: _____ 11 18 2005

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.
PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:
1) **INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,**
2) **TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY**
FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO **REDUCE** ERRORED SEQUENCE LISTINGS, **PLEASE** USE THE **CHECKER VERSION 4.2.2 PROGRAM**, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:
> **http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm**

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.
Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.
Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio **(<http://www.uspto.gov/ebc/efs/downloads/documents.htm>** , **EFS Submission User Manual** - ePAVE)
2. **U.S. Postal Service:** Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. **Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 01/14/05):** U.S. Patent and Trademark Office, Mail Stop Sequence, Customer Window, Randolph Building, 401 Dulany Street, Alexandria, VA 22314

Revised 01/24/05

Raw Sequence Listing Error Summary

ERROR DETECTED	SUGGESTED CORRECTION	SERIAL NUMBER: _10/732,859 A_

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

1 _____Wrapped Nucleics   Wrapped Aminos — The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor **after** creating it. Please adjust your right margin to .3; this will prevent "wrapping."

2 _____Invalid Line Length — The rules require that a line **not exceed** 72 characters in length. This includes white spaces.

3 _____Misaligned Amino   Numbering — The numbering under each 5th amino acid is misaligned. Do **not** use tab codes between numbers; use **space characters**, instead.

4 _____Non-ASCII — The submitted file was **not** saved in ASCII(DOS) text, as **required** by the Sequence Rules. **Please ensure your subsequent submission is saved in ASCII text.**

5 _____Variable Length — Sequence(s)_____contain n's or Xaa's representing more than one residue. **Per Sequence Rules, each n or Xaa can only represent a single residue.** Please present the **maximum** number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.

6 _____PatentIn 2.0   "bug" — A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) _____. Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. **This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.**

7 _____Skipped Sequences   (OLD RULES) — Sequence(s) _____ missing. If intentional, please insert the following lines for **each** skipped sequence:
(2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
(i)   SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading)
(xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
This sequence is intentionally skipped

Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to **include** the skipped sequences.

8 _____Skipped Sequences   (NEW RULES) — Sequence(s) _7_ missing. If **intentional**, please insert the following lines for **each** skipped sequence.
<210> sequence id number
<400> sequence id number
000

9 _____Use of n's or Xaa's   (NEW RULES) — Use of n's and/or Xaa's have been detected in the Sequence Listing.
Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present.
In <220> to <223> section, please explain location of **n** or **Xaa**, and which residue **n** or **Xaa** represents.

10 _____Invalid <213>   Response — Per 1.823 of Sequence Rules, the only **valid** <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is **required** when <213> response is Unknown or is Artificial Sequence

11 _____Use of <220> — ~~Sequence(s) _____ missing the <220> "Feature" and associated numeric identifiers and responses.~~ Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section. (See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)

12 _____PatentIn 2.0   "bug" — Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.

13 _____ Misuse of n/Xaa — "n" can **only** represent a single <u>nucleotide</u>; "Xaa" can **only** represent a single <u>amino acid</u>

AMC – Biotechnology Systems Branch – 09/09/2003

IFW16

RAW SEQUENCE LISTING   DATE: 11/18/2005
PATENT APPLICATION: US/10/732,859A   TIME: 10:02:28

Input Set : A:\10.732859 Sequence Listing (13101.48202).txt
Output Set: N:\CRF4\11182005\J732859A.raw

```
 3 <110> APPLICANT: Turck, Jutta
 4        Archer, John
 6 <120> TITLE OF INVENTION: CONTROL OF GENE EXPRESSION IN EUKARYOTES
 8 <130> FILE REFERENCE: 13101/48202
10 <140> CURRENT APPLICATION NUMBER: US 10/732,859A
11 <141> CURRENT FILING DATE: 2003-12-09
13 <150> PRIOR APPLICATION NUMBER: UK 9828660.2
14 <151> PRIOR FILING DATE: 1998-12-24
16 <150> PRIOR APPLICATION NUMBER: US 09/469,211
17 <151> PRIOR FILING DATE: 1999-12-22
19 <160> NUMBER OF SEQ ID NOS: 19
21 <170> SOFTWARE: PatentIn version 3.3
```

Does Not Comply
Corrected Diskette Needed

(pg 1-2)

ERRORED SEQUENCES

```
E--> 1133 <210>   7 (Insert)
E--> 1134 <211>        do not include these in
E--> 1135 <212>        an intentionally skipped sequences.
W--> 1136 <213>        See Item # 8 on Error Summary
E--> 1138 <400>                     sheet.
W--> 1140 000
OK  1143 <210> SEQ ID NO: 8
    1275 <210> SEQ ID NO: 19
    1276 <211> LENGTH: 470
    1277 <212> TYPE: DNA
    1278 <213> ORGANISM: Artificial Sequence
    1280 <220> FEATURE:
    1281 <223> OTHER INFORMATION: Chimeric promoter
    1283 <400> SEQUENCE: 19
    1284 catgcctgca ggtcaacatg gtggagcacg acactctcgt ctactccaag aatatcaaag      60
    1286 atacagtctc agaagaccag agggctattg agactttca acaaagggta atatcgggaa     120
    1288 acctcctcgg attccattgc ccagctatct gtcacttcat cgaaaggaca gtagaaaagg     180
    1290 aagatggctt ctacaaatgc catcattgcg ataaaggaaa ggctatcgtt caagaatgcc     240
    1292 tctaccgaca gtggtcccaa agatgtaccc ccacccacga ggaacatcgt ggaaaaagaa     300
    1294 gacgttccaa ccacgtcttc aaagcaagtg gattgatgtg atatctccac tgacgtaagg     360
    1296 gatgacgcac aatcccacta tccttcgcaa gacccttcct ctatataagt agcgtctgaa     420
    1298 ctagacgtct agcattctag ttgaggaagt tcatttcatt tggagaggac               470
E--> 1301 2/23
E--> 1303 1/23          Pls delete
```

```
<210>   8
<211>   27
<212>   DNA
<213>   Artificial Sequence

<220>
<223>   (OHPR3)
<400>   8
atcgaattcg gatccatgac caccacc
```

→ Insufficient Response. Give Source of Genetic Material See Item # 11 on Error Summary Sheet.

Above is the Sample of the Similarly Errored Responses.

VERIFICATION SUMMARY   DATE: 11/18/2005
PATENT APPLICATION: **US/10/732,859A**   TIME: 10:02:29

Input Set : **A:\10.732859 Sequence Listing (13101.48202).txt**
Output Set: **N:\CRF4\11182005\J732859A.raw**

```
L:1133 M:212 E: (34) Invalid or duplicate Sequence ID Number, SEQ ID NO
L:1134 M:210 E: (40) Invalid Number of Sequences, LENGTH:
L:1135 M:310 E: (3) Wrong or Missing Sequence Type, numeric identifier <212>, for SEQ ID#:0
L:1136 M:201 W: Mandatory field data missing, <213> ORGANISM
L:1138 M:212 E: (34) Invalid or duplicate Sequence ID Number, SEQUENCE ID NOS:0 differs:7
L:1140 M:300 W: (50) Intentionally skipped Sequence, : Sequence Id (7) SEQUENCE:
L:1143 M:216 E: (34) Seq.#s missing, SEQ ID NOS: 1 thru 7
L:1301 M:254 E: No. of Bases conflict, LENGTH:Input:23 Counted:471 SEQ:19
L:1301 M:320 E: (1) Wrong Nucleic Acid Designator, NUMBER OF INVALID KEYS:2
L:1303 M:254 E: No. of Bases conflict, LENGTH:Input:23 Counted:472 SEQ:19
L:1303 M:320 E: (1) Wrong Nucleic Acid Designator, NUMBER OF INVALID KEYS:2
L:1303 M:252 E: No. of Seq. differs, <211> LENGTH:Input:470 Found:472 SEQ:19
```